

2013

112-01 Color and Images

Jeff Stapleton
stapletonj@xavier.edu

Follow this and additional works at: https://www.exhibit.xavier.edu/physics_syllabi_fall_2013

Recommended Citation

Stapleton, Jeff, "112-01 Color and Images" (2013). *Physics Syllabi Fall 2013*. 28.
https://www.exhibit.xavier.edu/physics_syllabi_fall_2013/28

This Restricted-Access Syllabus is brought to you for free and open access by the Physics Syllabi 2013 at Exhibit. It has been accepted for inclusion in Physics Syllabi Fall 2013 by an authorized administrator of Exhibit. For more information, please contact exhibit@xavier.edu.

Color and Images

PHY 112

Instructor: Mr. Stapleton

Office: LND 106 **Phone:** 513-745-3622

E-Mail: stapletonj@xavier.edu

Office Hours: by appointment.

Text: Seeing the Light by Falk, Brill and Stork

Core Course: This course may be used in partial fulfillment of your Core Science requirement.

Course Content: This is an introduction to light, light sources, image generation with color, and interference effects. No previous knowledge of physics is assumed, although familiarity with high school algebra is expected.

Homework: Written homework will be assigned regularly. Ordinarily, homework is due the class period after it is assigned.

Research Paper: A research paper of at least five full double-spaced pages is part of the grade for this course. The paper should report on the history or development of a concept, idea, person or technology in the field of light or vision. Multiple sources should be used and properly referenced. A minimum of three non-internet sources must be included. Sources should be scientific, peer reviewed and respected. (No papers on LASIK surgery or color blindness, please.)

Grading: Semester grades will be based on:

Research Paper	100 points
3 Tests	100 points each
Homework	~50 points
Final Exam	100 points

Grades will be assigned on the following scale:

	87-89 B+	77-79 C+	67-69 D+
93-100 A	83-86 B	73-76 C	63-66 D
90-92 A-	80-82 B-	70-72 C-	60-62 D-

Tests: If an exam is missed and a legitimate written excuse is provided, a make-up exam may be given. There will be at most one make-up exam per student.

Class Attendance: Attendance is expected for all classes. **Please bring your calculator, pencils and a ruler to lecture.**

Courtesy: Please refrain from leaving the classroom during the class period unless you have a medical emergency. Please leave your cell phones turned off during class.